Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	296	(configur$4) near8 DNS near3 server	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/04/01 10:10
L2	207	administrator same DNS near3 server	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/04/01 09:43
L3	52	L2 same database	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/04/01 09:52
L4	179	object near3 oriented near4 database same address	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/04/01 13:23
L5	1	"6615357".pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/04/01 10:10
L7	13	object near3 oriented near4 database and zone near3 object	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/04/01 14:17
L8	1	"6581121".pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/04/01 14:17
L9	24155	link$3 near6 object	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/04/01 14:17
L10	815	L9 and object near3 oriented near4 database	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/04/01 14:18
L13	213	L10 and network near3 object	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/04/01 14:19
L14	176	L13 and (@AD < "20000713" or @PRAD < "20000713" or @RLAD < "20000713")	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/04/01 14:20
S1	23	DNS with (remote near3 control$4)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/08/15 09:45
S2	26	"5909545".URPN.	USPAT	OR	ON	2003/08/15 09:45
S3	2	S2 and DNS	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/08/15 09:45
S4	7	(DNS adj server) with configuration with access	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/08/13 17:00
S5	16	domain adj2 name adj2 service adj2 system	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/08/14 14:56

S6	6	domain adj2 name adj2 service adj2 server adj2 system	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/08/14 08:06
S7	741	(configuration with access) and client and (GUI and browser)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/08/13 17:03
S8	104	((configuration with access) and client and (GUI and browser)) and (download$3 with interface)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/08/13 17:06
S9	213	DNS near2 database	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/08/13 17:06
S10	0	(DNS near2 database) near6 access$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/08/13 17:06
S11	118	((domain adj2 name adj2 service) or DNS) and ((domain adj2 name) or DNS).ti.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/08/14 09:29
S12	92	(((domain adj2 name adj2 service) or DNS) and ((domain adj2 name) or DNS).ti.) and IP	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/08/14 09:44
S13	408	(DNS near2 server) with (access$3 or configurat$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/08/14 09:48
S14	389	((DNS near2 server) with (access$3 or configurat$3)) and IP	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/08/14 09:44
S15	1	(DNS near2 server).ti. with (access$3 or configurat$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/08/14 11:04
S16	2015	(IP adj address) same (domain adj2 name)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/08/14 09:50
S17	889	((IP adj address) same (domain adj2 name)) and (request$3 near7 IP)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/08/14 09:51
S18	646	(((IP adj address) same (domain adj2 name)) and (request$3 near7 IP)) and database	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/08/14 09:51
S19	88	((((IP adj address) same (domain adj2 name)) and (request$3 near7 IP)) and database) and (transmit$4 near5 IP) and client	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/08/14 09:51
S20	88	(DNS near2 server) near6 configurat$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/08/14 10:03

S21	86	((DNS near2 server) near6 configurat$3) and IP	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/08/14 10:03
S22	3	((web adj server) near6 communication near6 client) with (IP near2 address)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/08/14 14:54
S23	132	domain adj2 name adj2 service adj2 server	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/08/14 14:56
S24	31	(domain adj2 name adj2 service adj2 server) near5 (access$3 or configurat$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/08/14 14:56
S25	36	(domain adj2 name adj2 service) and (domain adj2 name).ti.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/08/14 15:24
S26	0	DNS adj server adj2 appliance	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/08/14 16:12
S27	0	(download$3 near7 (user adj2 interface)) with (configuration adj2 access)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/08/14 16:16
S28	43	(user adj2 interface) same (configuration adj2 access)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/08/14 16:13
S29	818	(download$3 near7 (user adj2 interface))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/08/14 16:16
S30	213	((download$3 near7 (user adj2 interface))) same (access$3 or configurat$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/08/14 16:16
S31	9	(((download$3 near7 (user adj2 interface))) same (access$3 or configurat$3)) and Java near4 GUI	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/08/14 16:19
S32	16	("5623656" | "5630025" | "5710887" | "5748188" | "5790977" | "5806071" | "5835712" | "5870558" | "5870771" | "5877966" | "5890158" | "5897622" | "5909545" | "5963953" | "6014657" | "6061057").PN.	USPAT	OR	ON	2003/08/14 17:10
S33	3	"6233609".URPN.	USPAT	OR	ON	2003/08/14 17:10
S37	1	DNS near6 data same object near4 orient$3 near4 database	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/03/31 17:47
S38	2	Domain near3 Name near3 Server same object near4 orient$3 near4 database	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/03/31 17:49

S39	12	IP near3 address same object near4 orient$3 near4 database	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/03/31 18:44
S40	10	remote$3 near6 (configur$4 or control$4) near8 DNS near3 server	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/04/01 09:17

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1 WSQ/DSQ: a practical approach for combined querying of databases and the Web   ▩
Roy Goldman, Jennifer Widom
May 2000 **ACM SIGMOD Record , Proceedings of the 2000 ACM SIGMOD international conference on Management of data,** Volume 29 Issue 2

Full text available: 📄 pdf(223.65 KB)   Additional Information: full citation, abstract, references, citings, index terms

We present WSQ/DSQ (pronounced "wisk-disk"), a new approach for combining the query facilities of traditional databases with existing search engines on the Web. WSQ, for *Web-Supported (Database) Queries*, leverages results from Web searches to enhance SQL queries over a relational database. DSQ, for *Database-Supported (Web) Queries*, uses information stored in the database to enhance and explain Web searches. This paper focuses primarily on WSQ, describing a simple, lo ...

2 The design and implementation of hierarchical software systems with reusable components   ▩
Don Batory, Sean O'Malley
October 1992 **ACM Transactions on Software Engineering and Methodology (TOSEM),**
Volume 1 Issue 4

Full text available: 📄 pdf(3.15 MB)   Additional Information: full citation, abstract, references, citings, index terms, review

We present a domain-independent model of hierarchical software system design and construction that is based on interchangeable software components and large-scale reuse. The model unifies the conceptualizations of two independent projects, Genesis and Avoca, that are successful examples of software component/building-block technologies and domain modeling. Building-block technologies exploit large-scale reuse, rely on open architecture software, and elevate the granularity of programming to ...

Keywords: domain modeling, open system architectures, reuse, software building-blocks, software design

3 Fast detection of communication patterns in distributed executions   ▩
Thomas Kunz, Michiel F. H. Seuren
November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research**

Full text available: Additional Information:

📄 pdf(4.21 MB)   full citation, abstract, references, index terms

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...

4 An information system based on distributed objects

Michael Caplinger

December 1987 **ACM SIGPLAN Notices , Conference proceedings on Object-oriented programming systems, languages and applications**, Volume 22 Issue 12

Full text available: 📄 pdf(1.33 MB)   Additional Information: full citation, abstract, references, citings, index terms

The Telesophy system is intended to provide transparent access to all of a community's online information. The scale of the system requires that it be distributed across many machines via a network; the multiple types and formats of the information require that it be a multimedia system. We describe a prototype that uses objects to represent, query, display, and edit information. A two-level storage system is used to store the objects on multiple servers; queries are proces ...

5 Level II technical support in a distributed computing environment

Tim Leehane

September 1996 **Proceedings of the 24th annual ACM SIGUCCS conference on User services**

Full text available: 📄 pdf(5.73 MB)   Additional Information: full citation, references, index terms

6 Object operations benchmark

R. G. G. Cattell, J. Skeen

March 1992 **ACM Transactions on Database Systems (TODS)**, Volume 17 Issue 1

Full text available: 📄 pdf(2.08 MB)   Additional Information: full citation, abstract, references, citings, index terms, review

Performance is a major issue in the acceptance of object-oriented and relational database systems aimed at engineering applications such as computer-aided software engineering (CASE) and computer-aided design (CAD). Because traditional database systems benchmarks are inapproriate to measure performance for operations on engineering objects, we designed a new benchmark Object Operations version 1 (OO1) to focus on important characteristics of these applications. OO1 is descended from an ear ...

Keywords: CAD, CASE, client-server architecture, engineering database benchmark, hypermodel, object operations benchmark, object-oriented DBMS's, relation of DBMS's, workstations

7 Object-oriented logical specification of time-critical systems

Angelo Morzenti, Pierluigi San Pietro

January 1994 **ACM Transactions on Software Engineering and Methodology (TOSEM)**, Volume 3 Issue 1

Full text available: 📄 pdf(3.05 MB)   Additional Information: full citation, abstract, references, citings, index terms, review

We define TRIO+, an object-oriented logical language for modular system specification. TRIO+ is based on TRIO, a first-order temporal language that is well suited to the

specification of embedded and real-time systems, and that provides an effective support to a variety of validation activities, like specification testing, simulation, and property proof. Unfortunately, TRIO lacks the ability to construct specifications of complex systems in a system ...

Keywords: first-order logic, formal specifications, model-theoretic semantics, object-oriented methodologies, real-time systems, temporal logic

8 Using design patterns to develop reusable object-oriented communication software
Douglas C. Schmidt
October 1995 **Communications of the ACM**, Volume 38 Issue 10

Full text available: pdf(261.30 KB)   Additional Information: full citation, abstract, references, citings, index terms

Despite dramatic increases in network and host performance, it remains difficult to design, implement, and reuse communication software for complex distributed systems. Examples of these systems include global personal communication systems, network management platforms, enterprise medical imaging systems, and real-time market data monitoring and analysis systems. In addition, it is often hard to directly reuse existing algorithms, detailed designs, interfaces, or implementations in these s ...

9 Technical reports
SIGACT News Staff
January 1980 **ACM SIGACT News**, Volume 12 Issue 1

Full text available: pdf(5.28 MB)   Additional Information: full citation

10 The travails of visually impaired web travellers
Carole Goble, Simon Harper, Robert Stevens
May 2000 **Proceedings of the eleventh ACM on Hypertext and hypermedia**

Full text available: pdf(229.51 KB) Additional Information: full citation, references, citings, index terms

Keywords: hypertext, mobility, navigation, travel, usability, visual impairment, web

11 A public-key based secure mobile IP
John Zao, Joshua Gahm, Gregory Troxel, Matthew Condell, Pam Helinek, Nina Yuan, Isidro Castineyra, Stephen Kent
October 1999 **Wireless Networks**, Volume 5 Issue 5

Full text available: pdf(255.65 KB)   Additional Information: full citation, references, citings, index terms

12 Information systems outsourcing: a survey and analysis of the literature
Jens Dibbern, Tim Goles, Rudy Hirschheim, Bandula Jayatilaka
November 2004 **ACM SIGMIS Database**, Volume 35 Issue 4

Full text available: pdf(1.51 MB)   Additional Information: full citation, abstract, references

In the last fifteen years, academic research on information systems (IS) outsourcing has evolved rapidly. Indeed the field of outsourcing research has grown so fast that there has been scant opportunity for the research community to take a collective breath, and complete a global assessment of research activities to date. This paper seeks to address

this need by exploring and synthesizing the academic literature on IS outsourcing. It offers a roadmap of the IS outsourcing literature, highligh ...

Keywords: determinants, literature review, outcomes, outsourcing, relationships, research approaches, theoretical foundations

13 UIO: a uniform I/O system interface for distributed systems
David R. Cheriton
January 1987 **ACM Transactions on Computer Systems (TOCS)**, Volume 5 Issue 1

Full text available: pdf(3.20 MB)   Additional Information: full citation, abstract, references, citings, index terms, review

A uniform I/O interface allows programs to be written relatively independently of specific I/O services and yet work with a wide variety of the I/O services available in a distributed environment. Ideally, the interface provides this uniform access without excessive complexity in the interface or loss of performance. However, a uniform interface does not arise from careful design of individual system interfaces alone; it requires explicit definition. In this paper, the UIO (unifo ...

14 Designing object-oriented synchronous groupware with COAST
Christian Schuckmann, Lutz Kirchner, Jan Schümmer, Jörg M. Haake
November 1996 **Proceedings of the 1996 ACM conference on Computer supported cooperative work**
Full text available: pdf(1.01 MB)   Additional Information: full citation, references, citings, index terms

Keywords: concurrency control, display updating, groupware, replicated objects, sessions, synchronous collaboration, toolkit

15 The GMAP: a versatile tool for physical data independence
Odysseas G. Tsatalos, Marvin H. Solomon, Yannis E. Ioannidis
April 1996 **The VLDB Journal — The International Journal on Very Large Data Bases**, Volume 5 Issue 2
Full text available: pdf(228.04 KB)   Additional Information: full citation, abstract, citings, index terms

Physical data independence is touted as a central feature of modern database systems. It allows users to frame queries in terms of the logical structure of the data, letting a query processor automatically translate them into optimal plans that access physical storage structures. Both relational and object-oriented systems, however, force users to frame their queries in terms of a logical schema that is directly tied to physical structures. We present an approach that eliminates this dependence. ...

Keywords: Indexing, Materialized views, Physical data independence, Physical database design

16 Knowledge-based document retrieval in office environments: the Kabiria system
Augusto Celentano, Maria Grazia Fugini, Silvano Pozzi
July 1995 **ACM Transactions on Information Systems (TOIS)**, Volume 13 Issue 3

Full text available: pdf(2.14 MB)   Additional Information: full citation, abstract, references, citings, index terms, review

In the office environment, the retrieval of documents is performed using the concepts contained in the documents, information about the procedural context where the

documents are used, and information about the regulations and laws that discipline the life of documents within a given application domain. To fulfill the requirements of such a sophisticated retrieval, we propose a document retrieval model and system based on the representation of knowledge describing the semantic contents of d ...

Keywords: browser, class, hypertext, instance, knowledge base, link, object orientation, user interface

17 Designing and implementing a family of intrusion detection systems
Giovanni Vigna, Fredrik Valeur, Richard A. Kemmerer
September 2003 **ACM SIGSOFT Software Engineering Notes , Proceedings of the 9th European software engineering conference held jointly with 11th ACM SIGSOFT international symposium on Foundations of software engineering**, Volume 28 Issue 5
Full text available: pdf(204.47 KB)   Additional Information: full citation, abstract, references, index terms

Intrusion detection systems are distributed applications that analyze the events in a networked system to identify malicious behavior. The analysis is performed using a number of attack models (or signatures) that are matched against a specific event stream. Intrusion detection systems may operate in heterogeneous environments, analyzing different types of event streams. Currently, intrusion detection systems and the corresponding attack modeling languages are developed following an *ad hoc*
Keywords: intrusion detection, object-oriented frameworks, program families, security

18 IFO: a formal semantic database model
Serge Abiteboul, Richard Hull
November 1987 **ACM Transactions on Database Systems (TODS)**, Volume 12 Issue 4

Full text available: pdf(3.21 MB)   Additional Information: full citation, abstract, references, citings, index terms, review

A new, formally defined database model is introduced that combines fundamental principles of "semantic" database modeling in a coherent fashion. Using a graph-based formalism, the IFO model provides mechanisms for representing structured objects, and functional and ISA relationships between them. A number of fundamental results concerning semantic data modeling are obtained in the context of the IFO model. Notably, the types of object structure that can arise as a result of mult ...

19 The transport layer: tutorial and survey
Sami Iren, Paul D. Amer, Phillip T. Conrad
December 1999 **ACM Computing Surveys (CSUR)**, Volume 31 Issue 4

Full text available: pdf(261.78 KB)   Additional Information: full citation, abstract, references, citings, index terms

Transport layer protocols provide for end-to-end communication between two or more hosts. This paper presents a tutorial on transport layer concepts and terminology, and a survey of transport layer services and protocols. The transport layer protocol TCP is used as a reference point, and compared and contrasted with nineteen other protocols designed over the past two decades. The service and protocol features of twelve of the most important protocols are summarized in both text and tables.< ...

Keywords: TCP/IP networks, congestion control, flow control, transport protocol, transport service

20

Subtyping in OODB's (extended abstract)
Catriel Beeri, Tova Milo
April 1991 **Proceedings of the tenth ACM SIGACT-SIGMOD-SIGART symposium on Principles of database systems**
Full text available: pdf(1.33 MB)   Additional Information: full citation, references, citings, index terms

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